COURSE SYLLABUS
ITSE 2358 93400
Spring 2016
Oracle Workshop II 11g
Business/Information Technology Learning Center
(972) 273-3450/ Room T135
M-R 8:00am-6:00pm, F 8:00 -4:30pm

This course syllabus is intended as a set of guidelines for (ITSE 2356). Both North Lake College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

INSTRUCTOR INFORMATION

Name: Sachin Shroff
Email: sachinshroff@hotmail.com
Phone: 972.273.3450 (leave message)
Room: T135
Office Hrs: N/A

COURSE INFORMATION

Course title: Oracle 10g Database Administration Workshop II
Course number: ITSE 2358
Section number: 93400
Credit hours: 3
Online:
Open Lab Session: TBD
Drop Date: 29-APRIL-2016
COURSE DESCRIPTION

ITSE 2358 Oracle 10g Database Administration Workshop I (3)
This course is your second course towards success as an Oracle professional, designed to give you an advanced foundation in database administration. In this class, you'll learn how to install and maintain an Oracle database. You will gain a conceptual understanding of the Oracle database architecture and how its components work and interact with one another. You will also learn how to create an operational database and properly manage the various structures in an effective and efficient manner including performance monitoring, database security, user management, and backup/recovery techniques. The lesson topics are reinforced with structured hands-on practices. This course is designed to prepare you for the corresponding Oracle Certified Associate exam.

Course prerequisites:
ITSE 2358 Database Fundamentals I (Workshop I)

Required Textbooks and Materials

- Oracle course materials (provided by instructor)
- Oracle 10g RDBMS

COURSE OBJECTIVES

- Install Oracle Database 10g and configure a database
- Manage the Oracle instance
- Manage the Database storage structures
- Create and administer user accounts
- Perform backup and recovery of a database
- Monitor, troubleshoot, and maintain a database
- Configure Oracle Net services
- Move data between databases and files

Specific Course Learning Outcomes

- Introduction (Database Architecture)
- Installing the Oracle Database Software
- Creating an Oracle Database
- Managing the Oracle Instance
- Managing Database Storage Structures
- Administering User Security
- Managing Schema Objects
- Managing Data and Concurrency
- Managing Undo Data
- Implementing Oracle Database Security
- Configuring the Oracle Network Environment
- Proactive Maintenance
- Performance Management
• Backup and Recovery Concepts
• Performing Database Backups
• Performing Database Recovery
• Performing Flashback
• Moving Data

Means of Assessment of Course Learning Outcomes

Assessment methods will include the following:
• Exam
• Lab Assignments (hands on)
• Attendance / Participation

Evaluation Procedures

<table>
<thead>
<tr>
<th>Method</th>
<th>Number of</th>
<th>Points ea.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>2</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>Final and Midterm (Midterm TBD)</td>
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<td></td>
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<tr>
<td>Labs</td>
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<tr>
<td>Attendance / Participation</td>
<td></td>
<td>15</td>
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</tbody>
</table>
**Grading Scale**

Letter grades will be determined using an accumulation of points as outlined below. Grades WILL NOT be curved after the total semester points have been tabulated. There is no EXTRA CREDIT for this course. Please do not request.

<table>
<thead>
<tr>
<th>Points</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>90 +</td>
<td>A</td>
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<tr>
<td>80 – 89</td>
<td>B</td>
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<td>70 – 79</td>
<td>C</td>
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<td>60 – 69</td>
<td>D</td>
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<td>50 and below</td>
<td>F</td>
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</table>
## COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Lab</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Week 1</td>
<td>Lesson 1: Introduction&lt;br&gt;Lesson 2: Installing Oracle Database 10g Software&lt;br&gt;Lesson 3: Create an Oracle Database</td>
<td>Hands on labs for each lesson</td>
</tr>
<tr>
<td>2</td>
<td>Week 2</td>
<td>Lesson 4: Database interfaces&lt;br&gt;Lesson 5: Controlling the database&lt;br&gt;Lesson 6: Storage Structures</td>
<td>Hands on labs for each lesson</td>
</tr>
<tr>
<td>3</td>
<td>Week 3</td>
<td>Lesson 7: Administering users&lt;br&gt;Lesson 8: Managing Schema Objects&lt;br&gt;Lesson 9: Managing Data</td>
<td>Hands on labs for each lesson</td>
</tr>
<tr>
<td>4</td>
<td>Week 4</td>
<td>Lesson 10: PL/SQL&lt;br&gt;Lesson 11: Oracle Database Security&lt;br&gt;Lesson 12: Oracle Net Services</td>
<td>Hands on labs for each lesson</td>
</tr>
<tr>
<td>5</td>
<td>Week 5</td>
<td>Lesson 13: Oracle Shared Server&lt;br&gt;Lesson 14: Performance Monitoring&lt;br&gt;Lesson 15: Proactive Maintenance: Objectives</td>
<td>Hands on labs for each lesson</td>
</tr>
<tr>
<td>6</td>
<td>Week 6</td>
<td>Lesson 16: Undo Management&lt;br&gt;Lesson 17: Monitoring and Resolving Lock Conflicts&lt;br&gt;Lesson 18: Backup and Recovery Concepts</td>
<td>Hands on labs for each lesson</td>
</tr>
<tr>
<td>7</td>
<td>Week 7</td>
<td>Lesson 19: Database backups&lt;br&gt;Lesson 20: Database Recovery Exam Review</td>
<td>Hands on labs for each lesson</td>
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<tr>
<td>8</td>
<td>Week 8</td>
<td><strong>Final Exam</strong></td>
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</table>

Course schedule may be modified at the discretion of the instructor.
TEACHING METHODS

Lectures
Assignments
Exams/Quizzes:

Discussion / Participation:
Students are encouraged to share their questions, ideas, and opinions with their colleagues during the regularly scheduled classes. While study groups outside of class may be an aid to learning, each student is expected to do his/her own work on class assignments and exams.

DISCIPLINE/ COURSE/ DEPARTMENT/POLICIES
These policies may consist of a variety of discipline/program specific policies not appropriate for every discipline including but not limited to the following examples:

- Respect for your fellow classmates and your instructor must be demonstrated.
- Attendance is required. Due to the accelerated pace of the class, attendance is expected at each scheduled lecture. Should you not be able to attend a class you should arrange to obtain class notes from a fellow student.
ARTS, BUSINESS, SPORTS SCIENCE, AND TECHNOLOGY DIVISION
Office Hours: 8:00 a.m. – 6:00 p.m. Mon-Thu,
8:00 a.m. - 4:30 p.m. Fri
Location: T135, Telephone: 972-273-3450

INSTITUTIONAL POLICIES

DCCCD EMERGENCY OPERATING PROCEDURES
http://video.dcccd.edu/rtv/DO/emergency_dcccd.wmv

ACADEMIC DISHONESTY
The Student Code of Conduct prohibits academic dishonesty and prescribes penalties for violations. According to this code, which is printed in the college catalog, "academic dishonesty", includes (but is not limited to) cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion.

1. The Vice-President of Academic & Student Affairs may initiate disciplinary proceedings against a student accused of academic dishonesty.

2. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism and collusion.

3. Cheating on a test includes:
   a. Copying from another student’s test paper;
   b. Using, during a test, materials not authorized by the person giving the test;
   c. Collaborating with another student during a test without permission to do so;
   d. Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an un-administered test.
   e. Substituting for another student, or permitting another student to substitute for you to take a test; and
   f. Bribing another person to obtain an unadministered test or information about an unadministered test.

4. "Plagiarism" means the appropriation of another’s work (ideas and/or words) and the unacknowledged incorporation of that work in one’s written work offered for credit. Quotes not identified as quotes constitute a form of plagiarism even if the borrowed ideas are documented.
5. “Collusion” means an unauthorized collaboration with another person in preparing written work offered for credit.

Academic dishonesty may result in the following sanctions, including, but not limited to:
1. A grade of zero or a lowered grade on the assignment or course.
2. A reprimand.
3. Suspension from the college.

NOTIFICATION OF ABSENCE DUE TO RELIGIOUS HOLY DAY(S)
Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the Student Obligations section of the college catalog for more explanation. You are required to complete any assignments or take any examinations missed as a result of the absence within the time frame specified by your instructor.

REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (A430)
North Lake College provides academic accommodations to students with disabilities, as defined under ADA law. It is the student's choice and responsibility to initiate any request for accommodations. If you are a student with a disability who requires such ADA accommodations, please contact North Lake College's Disability Services Office in person (A430) or by phone at 972-273-3165. http://www.northlakecollege.edu/resources/disability.html

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (FERPA)
In compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the College may release information classified as “directory information” to the general public without the written consent of the student. Directory information includes: (1) student name, (2) student address, (3) telephone numbers, (4) date and place of birth, (5) weight and height of members of athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other similar information, including major field of student and degrees and awards received. Students may protect their directory information at any time during the academic year. If no request is filed, directory information is released upon written inquiry. No telephone inquiries are acknowledged. No transcript or academic record is released without written consent from the student, except as specified by law.

ADMINISTRATIVE WITHDRAWAL
Students with valid extenuating circumstances may be eligible for an administrative withdrawal by the Dean of the Division in which the course or courses are taught. An administrative withdrawal will not be awarded to students who simply fail to withdraw prior to the last day to receive a "W." The request for an administrative withdrawal must be made in writing to the Dean of the Division with any supporting documentation attached. This must occur before the last official day of the semester.

DROP POLICY
If you are unable to complete this course, you must officially withdraw by: 29-APRIL-
2016. Withdrawing is a formal procedure which you must initiate; your instructor cannot do it for you. All Dallas County Community Colleges charge a higher tuition rate to students registering the third time for a course. This rule applies to the majority of credit and Continuing Education / Workforce Training courses. Developmental Studies and some other courses are not charged a higher tuition rate. Third attempts include courses taken at any DCCCD college since the fall 2002 semester. For further information, go online to: http://www.DCCCD.edu/thirdcourseattempt.

STOP BEFORE YOU DROP
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops.

FINANCIAL AID STATEMENT
Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate are also subject to this policy.

To apply for financial aid in the DCCCD, students must complete FAFSA (Free Application for Federal Student Aid) on the web at: http://www.fafsa.ed.gov.

COUNSELING SERVICES (A311)
Counseling services for personal issues are provided to all students currently enrolled at North Lake College at NO CHARGE. These services are provided by licensed professionals who are bound by confidentiality (within ethical parameters). With the assistance of a counselor, students are able to identify, understand, resolve issues and develop appropriate skills. To make an appointment call 972-273-3333 or visit A311. For additional information, go to: http://northlakecollege.edu/services-and-resources/health-and-wellness/counseling-services/Pages/default.aspx.

THE ACADEMIC SKILLS CENTER (ASC)
The ASC is designed to provide the following assistance to students:

- An ESOL lab with computer access.
- Free tutoring for students enrolled in Foreign Language courses.
- The iRead Lab offers individual and small group tutoring, as well as workshops, to help current students improve their reading, study, and test taking skills.
- The Writing Center to help students clarify writing tasks, understand instructors’ requirements, develop and organize papers, explore revision options, detect grammar and punctuation errors, properly use and document sources, and improve their writing.
skills.
- The Online Writing Lab (OWL) allows students to submit papers to our writing tutors electronically and get feedback within 24-72 hours. The OWL can be accessed through eCampus.
  o After logging on to eCampus, click on the Community Tab at the top.
  o Type “Owl” in the search field and click “Go.”
  o Next, click on the double drop-down arrows next to “NLC-OWL2,” and then click on “Enroll.”
  o Once enrolled, students can receive services from the OWL.
- The Blazer Internet Lounge with 12 computers, additional open seating, and WiFi Internet access.

For more information or to schedule a tutoring appointment, come by A-332 or call 972-273-3089.

**TESTING CENTER (A 425)**

Monday-Thursday: 8:30 a.m. – 8:00 p.m.
No tests will be issued after 7:00 p.m. Other cut-off times may be in effect for specific exams by the instructor’s direction. All exams collected at 8:00 p.m.
Friday-Saturday: 8:30 a.m.-3:30 p.m.
No tests will be issued after 2:30 p.m. Other cut-off times may be in effect for specific exams by the instructor’s direction. All exams collected at 3:30 p.m.
Sunday – CLOSED

If you instructor requires you to complete an exam in the Testing Center, be sure to have the following information when you request your test:
1. Instructor’s name
2. Subject, course number, and section number (exp: Speech 1311.7011)
3. Exam number (1st, 2nd, 3rd, etc.)
4. Exam deadline (Get this information from your instructor. The testing staff cannot look up this information on computers).

You should also bring the following supplies:
1. Pencil
2. Scantron answer sheet
3. A Test Request Form must be completed before entering the Testing Center.
5. Government or school issued photo identification is required & enforced.

You may not bring personal items into the Testing Center. This includes bags, cell phones, and pagers.

Please show courteous and cooperative behavior while using the services provided by the Testing Center.

DO NOT bring children to the Testing Center. You must make arrangements for the care of your children prior to your exam date. The police department will be notified of any unattended children.
DO NOT take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test.

Questions? Please visit the Testing Center (A 425) or call 972-273-3160.
**SERVICE LEARNING**

**What is Service Learning?**

Service Learning (SL) is a program in which you will learn and develop through thoughtfully organized service experiences by participating in meeting real community needs. The program combines academic instruction along with active community service that utilizes both critical and reflective thinking skills that assist you in examining your civic responsibilities in the world in which you live. See your eCampus classroom for enrollment instructions.

For questions or concerns, contact the Service Learning Coordinator, Katherine Villarreal, at kvillarreal@dcccd.edu or nlosl@dcccd.edu.
### Appendix A – Specific Learning Activities, Learning Outcomes, and Evaluation / Assessment

<table>
<thead>
<tr>
<th>Learning Activity</th>
<th>Learning Outcomes</th>
<th>Evaluation / Assessment</th>
<th>Evaluation / Assessment and SCANS Competencies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Introduction (Database Architecture)</strong></td>
<td>• Describe course objectives</td>
<td>Ability to perform the listed learning outcomes – theory / hands-on</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
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<tr>
<td>Students will be introduced to the course objectives</td>
<td>• Explore the Oracle 10g database architecture</td>
<td></td>
<td></td>
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<tr>
<td>and explore the Oracle 10g architecture</td>
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<tr>
<td><strong>Installing the Oracle Database Software</strong></td>
<td>• Explain core DBA tasks and tools</td>
<td>Ability to perform the listed learning outcomes – hands-on</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
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<tr>
<td>Students will learn to install Oracle</td>
<td>• Plan an Oracle installation</td>
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<td>database software</td>
<td>• Use optimal flexible architecture</td>
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<td></td>
<td>• Install software with the Oracle Universal Installer (OUI)</td>
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<tr>
<td><strong>Creating an Oracle Database</strong></td>
<td>• Create a database with the Database Configuration Assistant (DBCA)</td>
<td>Ability to perform the listed learning outcomes – hands-on</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
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<tr>
<td>Students will learn to create an Oracle database</td>
<td>• Create a database design template with the DBCA</td>
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<td>• Generate database creation scripts with the DBCA</td>
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</tbody>
</table>
| Managing the Oracle Instance | Students will learn how to manage an Oracle Instance | • Start and stop the Oracle database and components  
• Use Enterprise Manager (EM)  
• Access a database with SQL*Plus and iSQL*Plus  
• Modify database initialization parameters  
• Understand the stages of database startup  
• View the Alert log  
• Use the Data Dictionary | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| Managing Database Storage Structures | Students will learn how to manage database storage structures | • Describe table data storage (in blocks)  
• Define the purpose of tablespaces and data files  
• Understand and utilize Oracle Managed Files (OMF)  
• Create and manage tablespaces  
• Obtain tablespace information  
• Describe the main concepts and functionality of Automatic Storage Management (ASM) | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| Administering User Security | Students will learn how to administer user security | • Create and manage database user accounts  
• Authenticate users  
• Assign default storage areas (tablespaces)  
• Grant and revoke privileges  
• Create and manage roles  
• Create and manage profiles  
• Implement standard password security features  
• Control resource usage by users | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Managing Schema Objects** | Students will learn how to manage schema objects | • Define schema objects and data types  
• Create and modify tables  
• Define constraints  
• View the columns and contents of a table  
• Create indexes, views and sequences  
• Explain the use of temporary tables  
• Use the Data Dictionary | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |

| **Managing Data and Concurrency** | Students will learn how to manage data | • Manage data through SQL  
• Identify and administer PL/SQL Objects  
• Describe triggers and triggering events  
• Monitor and resolve locking conflicts | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |

| **Computer Hardware**  
**Managing Undo Data** | Students will learn how to manage undo data | • Explain DML and undo data generation  
• Monitor and administer undo  
• Describe the difference between undo and redo data  
• Configure undo retention  
• Guarantee undo retention  
• Use the undo advisor | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |

| **Implementing Oracle Database Security** | Students will learn to implement database security | • Describe DBA responsibilities for security  
• Apply the principal of least privilege  
• Enable standard database auditing  
• Specify audit options  
• Review audit information  
• Maintain the audit trail | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
<table>
<thead>
<tr>
<th>Topic</th>
<th>Learning Outcomes</th>
<th>Ability to perform the listed learning outcomes – hands-on</th>
<th>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuring the Oracle Network Environment</td>
<td>- Use Enterprise Manager for configuring the Oracle network environment</td>
<td>Ability to perform the listed learning outcomes – hands-on</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
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<tr>
<td></td>
<td>- Create additional listeners</td>
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<td></td>
<td>- Create Net Service aliases</td>
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<td>- Configure connect-time failover</td>
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<td>- Control the Oracle Net Listener</td>
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<td>- Test Oracle Net connectivity</td>
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<td>- Identify when to use shared versus dedicated servers</td>
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<td>Proactive Maintenance</td>
<td>- Use statistics</td>
<td>Ability to perform the listed learning outcomes – hands-on</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
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<td>Students will learn how to administer</td>
<td>- Manage the Automatic Workload Repository (AWR)</td>
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<td>maintenance prior to issues</td>
<td>- Use the Automatic Database Diagnostic Monitor (ADDM)</td>
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<td>- Describe advisory framework</td>
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<td>- Set alert thresholds</td>
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<td>- Use server-generated alerts</td>
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<td></td>
<td>- Use automated tasks</td>
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<tr>
<td>Performance Management</td>
<td>- Use Enterprise Manager pages to monitor performance</td>
<td>Ability to perform the listed learning outcomes – hands-on</td>
<td>C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12</td>
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<tr>
<td>Students will learn performance</td>
<td>- Use the SQL Tuning Advisor</td>
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<td>management</td>
<td>- Use the SQL Access Advisor</td>
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<td></td>
<td>- Use Automatic Shared Memory Management</td>
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<td>- Use the Memory Advisor to size memory buffers</td>
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<td>- Use performance related dynamic views</td>
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<td></td>
<td>- Troubleshoot invalid or unusable objects</td>
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</table>
| **Backup and Recovery Concepts** | • Identify the types of failure that may occur in an Oracle Database  
• Describe ways to tune instance recovery  
• Identify the importance of checkpoints, redo log files, and archived log files  
• Configure ARCHIVELOG mode | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Performing Database Backups** | • Create consistent database backups  
• Back your database up without shutting it down  
• Create incremental backups  
• Automate database backups  
• Monitor the flash recovery area | Ability to perform the listed learning outcomes – hands-on | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Performing Database Recovery** | • Recover from loss of a control file  
• Recover from loss of a redo log file  
• Perform complete recovery following the loss of a data file | Ability to perform the listed learning outcomes – hands | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| **Performing Flashback** | • Describe Flashback database  
• Restore the table content to a specific point in the past with Flashback Table  
• Recover from a dropped table  
• View the contents of the database as of any single point in time with Flashback Query  
• See versions of a row over time with Flashback Versions Query  
• View the transaction history of a row with Flashback Transaction Query | Ability to perform the listed learning outcomes – hands | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| Moving Data |
|-----------------|-----------------|-----------------|
| Students will learn about moving data | Moving Data | Ability to perform the listed learning outcomes – hands-on |
| • Describe available ways for moving data | • Explain the general architecture of Data Pump | C1, C5, C6, C7, C8, C14, C16, C17, C18, C19, C20, F1, F2, F5, F7, F8, F9, F10, F12 |
| • Create and use directory objects | • Use Data Pump Export and Import to move data between Oracle databases | |
| • Use SQL*Loader to load data from a non-Oracle database (or user files) | • Use external tables to move data via platform-independent files | |
### SLO DATA

| SLO, Spring 2015: | Students in ITSE 2358 will demonstrate understanding of using Automatic Storage Management (ASM) to manage storage by responding to a specific question on the final exam at a proficiency level of 70%
SCANS Competencies: C1, 11, 12, 13, 14, 15, 18, 19
SCANS Foundation Skills: F1, 2, 5, 6, 7, 8, 9, 11, 12, 13, 14, 17, 16
Workplace Skills: 1, 5, 6, 7, 8, 13, 23, 24, 25, 26, 27, 30, 35 |
| SLO, Spring 2015: | Students in ITSE 2358 will demonstrate understanding of using block media recovery to recover one or more corrupt data blocks within a data file by responding to a specific question on the final exam at a proficiency level of 70%:
SCANS Competencies: C1, 11, 12, 13, 14, 15, 18, 19
SCANS Foundation Skills: F1, 2, 5, 6, 7, 8, 9, 11, 12, 13, 14, 17, 16
Workplace Skills: 1, 5, 6, 7, 8, 13, 23, 24, 25, 26, 27, 30, 35 |
| SLO, Spring 2015: | Students in ITSE 2358 will demonstrate an understanding on managing tablespaces via specific lab exercises at a proficiency level of 70%:
SCANS Competencies: C1, 11, 12, 13, 14, 15, 18, 19
SCANS Foundation Skills: F1, 2, 5, 6, 7, 8, 9, 11, 12, 13, 14, 17, 16
Workplace Skills: 1, 5, 6, 7, 8, 13, 23, 24, 25, 26, 27, 30, 35 |